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Field Investigations in Pomology
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Price List

U. S. Department of Agriculture,
Washington, D. C.

— OF THE —

Hawley
Nurseries

OF HART

GEO. A. HAWLEY, Proprietor
HART, MICHIGAN.

...FALL, 1912...

Nurseries and Office Located One-Half Mile West
and One-fourth Mile South of Fair
Grounds, Hart, Mich.

UNITED HOME TELEPHONE R16-I.

OUR GUARANTEE

While we take every precaution to avoid mistakes in our propagating and handling nursery stock, and have every reason to believe that the trees and plants sold by us will prove true to label,

It Is Mutually Agreed

between the purchaser and ourselves, that should a mistake occur, our liability shall not exceed the original price of the trees that may prove untrue.

GEO. A. HAWLEY.

Information for Growers

Quotations in this price list are for fall or spring delivery. But these prices are subject to change after Dec. 1. We have the very best facilities for wintering the trees, and while it costs us something to carry the stock over winter, we think that it gives the grower so much better satisfaction that in the long run we are the gainers thereby. However, we make no difference in the price, whether delivered in the fall or spring.

Prices quoted in this list are net at the nursery. There will be a small charge made for packing when the order has to be shipped.

In cases where we deliver at places other than our nursery these prices do not apply, but we make special prices for such deliveries enough higher to cover the extra expense.

Our Packing is all carefully done, and while we can not be responsible for delays in transportation, we guarantee that the stock will be put up properly, and barring conditions over which we have no control, delivered in prime order. Should there be any claim for damages, resulting from improper packing or miscounts, make them at once on receipt of the goods.

As to Replacing Trees. Owing to the infinite variety of conditions to which young trees are subjected after leaving our hands we can establish but one general rule relative to replacing those that fail to live after being transplanted, and this rule is that unless there appears some good proof that such stock was not in the best condition when leaving our hands we cannot replace, but if it appears reasonable that the

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failure was partly due to poor stock, we will replace at half price.

While this is our general rule we do not wish to intimate that we wish to avoid considering any case of failure. On the other hand, we are anxious to have every customer report to us, stating what success he has had, whether good or bad and if he has lost any trees state why.

Satisfied Customers are our best advertisements and it is our aim to follow up all orders as closely as possible and see that the purchasers are satisfied.

Substitution of Varieties. It often happens, especially with orders sent us late in the season, that we cannot fill them exactly as given. In such cases, unless forbidden in the order to substitute, we use our best judgment in the selection of substitute varieties and it is very seldom that we cannot substitute something that is very close to the variety ordered, and in no case do we substitute any variety that has not proven itself satisfactory.

Correspondence is solicited and whether you wish to purchase few or many we will at all times be pleased to answer all inquiries to the best of our ability.

Our long experience in practical fruit growing has given us excellent opportunity to comprehend the relative value of different varieties and, while we propagate some kinds that we cannot recommend, the bulk of our stock is in varieties that are of practical worth.

Distance for Planting. While no exact rule can be laid down as to the most desirable distance for planting, the following table will be found generally satisfactory:

Apples, 40x40 ft. 27 per acre.

Peaches, Plums, Std. Pears and Cherries – 20x20 ft. 108 per acre.

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Grapes—8x10 ft. 540 per acre.

Dwf. Pears—12x12. 300 per acre.

Currants, Gooseberry, Raspberry and Blackberry—6x6 ft.
1210 per acre.

Strawberry—3x4 ft. 3630 per acre.

How to Transplant the Trees.

Successful transplanting is very simple, yet a little neglect or lack of information often causes serious results. We are as anxious to have every tree that we sell grow as the purchaser is. The principal causes of the failures to make trees grow can be summed up as follows:

1st—**Careless Handling** of trees before transplanting. It often happens that the trees are brought home some time before planting and even though it be but a day or two, the trees should be immediately and carefully healed in, great care being taken to have the roots thoroughly covered with moist earth. It is best to heal in near a well where they can be wet thoroughly. Any neglect in this line, even for a day, is dangerous.

2nd—**Improper Pruning.** Too much importance cannot be attached to pruning both root and top. Some very careful planters are afraid to cut away any of the ROOT and by their cautiousness neglect an important feature of tree planting. All roots should be cut back to where they are perfectly plump and healthy, thus giving the little rootlets a chance to start out from the fresh wound, which they do very rapidly. THE TOP must also be pruned and pruned severely, but care should be taken not to cut away all of the healthy buds, but plenty of buds should be left so that the tree is not forced to develop new ones before it can start to grow.

3rd—**Improper Planting.** The most important thing in planting the trees is to pack the earth as hard as possible

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about the root. It is not advisable to dig the hole any larger than is necessary to admit the root without bending, throw in moist dirt and pack very thoroughly, leaving a loose mulch on top to prevent drying out.

4th—**Cut Worms.** On sand soils a great deal of damage is done to newly planted trees by the climbing cutworm.

It is a safe rule to thoroughly protect the trees from this pest as soon as planted. This can be accomplished in a number of ways. The surest protection is by means of a tin 3 1-2 inches square stamped with a 5-8 hole in the center and cut from corner to center. Wind a strip of paper about the tree and fit the tin around this in such a manner that it will form a funnel shape with the cup down. The worm can not climb above this obstruction.

Another way is by tying a ball of cotton batting about the tree and still another by poisoning. This is accomplished by means of a paste of bran, molasses and parisgreen. Scatter a teaspoonful about the tree in the afternoon. The worm finds this before climbing the tree in the evening.

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PRICE LIST

Varieties in heavy type are considered among the best for commercial planting in Michigan.

PEACHES

		EACH	100
Heavy— $\frac{5}{8}$ caliper and up, first class stock	Conkling	.15	\$12.00
Light— $\frac{1}{2}$ to $\frac{5}{8}$ caliper, first class stock	Early Crawford	.12	10.00
Small— $\frac{3}{8}$ to $\frac{5}{8}$ caliper, first class stock	Reeves' Favorite	.10	7.00
Sned	Large Barnard	Reeves'	Lemon Free
Alexander	Elberta	Crosby	Banner
Wark	New Prolific	Chili	Smock
Dewey	Fitzgerald	Kalamazoo	Salway
Cranes	Engles	Bronson	
Davidson	Wager	Gold Drop	
Early Michigan			
Triumph			

PLUMS

1st class, 2 year, $\frac{3}{4}$ caliper and up	Black Diamond	Wickson	.30	25.00
1st class, $\frac{5}{8}$ to $\frac{3}{4}$ caliper	Grand Duke	Abundance	.25	20.00
1 year $\frac{1}{2}$ caliper and up	Coe's Golden	Red June	.20	15.00
Lombard	Reine Claude	Burbank		
Bradshaw			Climax	
Monarch			Hale	
Shropshire				
Quackenbos	Arch Duke			

PEARS

Standard— $\frac{3}{4}$ caliper and up		.30	25.00
Standard— $\frac{5}{8}$ to $\frac{3}{4}$ caliper		.25	20.00
Dwarf—L. Bonne and Duchess, $\frac{3}{4}$ up		.15	12.00

SUMMER	AUTUMN	WINTER
Bartlett	Anjou	Keifer
Wilder	Duchess	Clairgeau
Clapp's Favorite	Flemish Beauty	
	Howell	
	Sheldon	

APPLES

2 to 3 years, $\frac{3}{4}$ caliper and up		.30	25.00
2 to 3 years, $\frac{5}{8}$ to $\frac{3}{4}$ caliper		.25	20.00
SUMMER	Culvert	Jonathan	Fallawater
Early Harvest	St. Lawrence	King	Sutton Beauty
Sweet Bough	Bailey Sweet	Northern Spy	Wealthy
Yellow Transparent		Wagner	Seek-no-further
AUTUMN	Ben Davis	Wolf River	Talman Sweet
Duchess	Baldwin	Spitzenberg	CRAB
Fall Pippin	Fameuse (Snow)	Winter Banana	Hyslop
Maiden Blush	Grimes Golden	Golden Russett	Transcendent
Alexander	Hubbardston		

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CHERRY

		Each	100
Sour 2 year $\frac{3}{4}$ caliper and up-----		.25	\$18.00
Sour 2 year $\frac{5}{8}$ to $\frac{3}{4}$ caliper-----		.20	15.00
Early Richmond	Montmorency		
Sweet 1 or 2 year $\frac{3}{4}$ up-----		.25	18.00
Sweet 1 or 2 year $\frac{5}{8}$ to $\frac{3}{4}$ -----		.20	15.00
Black Tartarian	Windsor		
Gov. Wood	Napoleon	Dikeman	
		Elkhorn	

Elkhorn—This variety is not generally known. In appearance and time of ripening it is a great deal like the Windsor. A very heavy cropper and one of the best growers that we have in the sweet list. This variety is the same price as the other sweets.

Northport, a new sweet cherry of a great deal of worth. The tree is a good strong grower and heavy cropper. The fruit is large, jet black when fully ripe and of excellent quality. It ripens after the Windsor and will hang for a long time on the trees without deterioration so it can be shipped after all other cherries are gone.

Price— $\frac{3}{4}$ up-----		.50
" $\frac{5}{8}$ to $\frac{3}{4}$ -----		.35

QUINCE

1st class 2 year-----		.25	22.00
Champion	Orange	Rae's Mammoth	

APRICOT

Early Golden-----		.20
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GRAPES

	Per Doz	Per 100
2 year first class-----	1.00	5.00
Worden	Niagara	Brighton
Concord	Moore's Early	Delaware

GOOSEBERRIES

	Per Doz.	Per 1000
Two year—Downing first-class-----	1.25	75.00
One year—Downing first-class-----	1.00	55.00
Two year—Houghton first-class-----	1.90	60.00

CURRANTS

Two year—Pr. Albert, Fays, Wilder-----	.75	35.00
Two year—London Market-----	.60	25.00
Two year—Perfection-----	1.50	120.00

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RASPBERRIES

	Per Doz	Per 1000
Kansas and Cumberland (black) -----	.35	12.00
Cuthbert and Marlboro (red) -----	.25	8.00

BLACKBERRIES

Strong 2 yr. root cutting plants	Dozen	1000
Eldorado and Blower-----	.50	25.00
Taylor, Wilson, Lawton, etc.-----	.35	15.00

STRAWBERRIES

(For spring planting)

*Indicates varieties suited for canning

Strong healthy plants -----	.20	3.50
*Warfield	Gandy	*Senator Dunlap
Michael's Early	Uncle Jim	*Brandywine

ASPARAGUS

Conover's Colossal—two years -----	.30	5.00
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ROSES

Hardy, field grown, large two year plants.

	Each	10	100
Hybred Perpetuals, Moss and Crimson Ramblers-----	.25	2.00	15.00
RED and CRIMSON	ROSE and PINK	WHITE	
Alfred Colomb	Anna DeDiesbach	Coquette Des Alps	
Duke of Edinburgh	Clio	Coquette Des Blanche	
Dinsmore	Magna Charta	Blanche Moreau (Moss)	
Eugene Furst	Mrs. J. H. Laing		
Gen. Washington	Paul Neyron		
Gen. Jacqueminot	Crested Moss		
Henri Martin (Moss)	Princess Adelaid (Moss)		

HARDY FLOWERING SHRUBS

A proper selection of these shrubs will produce flowers throughout the summer and fall months. They are easy to grow and with ordinary care produce very desirable effects. These plants that we offer are strong, outdoor grown and capable of producing flowers the first season after planting.

Spiraea (Bridalwreath) Vanhoute (white) Anthony Waterer (crimson)	Forsythea (Golden Bell) early yellow bell shaped flower. Foliage glossy green.
Dentzia	Viburnum (Snowball)
Crenata (pink)	Lilacs
Candidissima (white)	Wiegelas
Crenated Leaved	Hydrangeas
Gracilis (white drop)	Althea (Rose of Sharon)
Any of the above -----	.30 2.50 20.00
Rose Acacia -----	.40

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CLIMBING VINES

	Each	10	100
Trumpet Flower-----	\$.35	\$3.00	\$25.00
Virginia Creeper-----	.30	2.50	20.00
Boston Ivy-----	.30	2.50	20.00
Honey Suckle-----	.25	2.00	15.00

FOLIAGE SHRUBS

Sambucus—Golden Elder-----	.25
Golden Leaved Spirea-----	.25
Aurea Honeysuckle-----	.25

SHADE, ORNAMENTAL and NUT TREES

Cut Leaf Birch—4 to 5 ft-----	.75
Horse Chestnut—5 to 7 ft-----	.50 3.00
Mountain Ash—5 to 7 ft-----	.25
Oak leaved Ash—5 to 7 ft-----	.25
Silver Maple—5 to 8 ft-----	.20 1.80
" 8 to 10 ft-----	.25 2.20
Catalpa Speciosa—6 to 8 ft-----	.25 2.00
Poplar, Carolina—10 to 12 ft-----	.30 2.50
" 8 to 10 ft-----	.20 1.80 15.00
" 6 to 8 ft-----	.18 1.50 12.50
Elm, American White—6 to 10 ft-----	.20 1.80
Birch, Black—6 to 10 ft-----	.20 1.80 15.00
Chestnut, American Sweet—8 to 10 ft-----	.40 3.50
Walnut, Black—4 to 6 ft-----	.35 3.00
Butternut—4 to 6 ft-----	.35 3.00
Mulberry, New Am. and Downing-----	.40

HARDY FLOWERING PLANTS

Peonies—Assorted colors-----	.25 2.00
Dahlias— " "-----	.15 1.50
Perennial Phlox—Assorted colors-----	.10 .75

EVERGREENS.

Norway Spruce—20 to 30 inches-----	\$.20
" 15 to 20 inches-----	.10
" 10 to 15 inches-----	.07
Arbor Vitae—20 to 30 inches-----	\$15.00 per 100

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We have a descriptive list and fruit growers' guide that we will gladly send to anyone requesting a copy of the same.

This booklet gives descriptions of the best commercial varieties for Michigan culture and also deals with Planting, Cultivating, Pruning and Spraying as practiced by the most successful growers.

Write us and we will mail a copy to you.

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